

ABSTRACT

A moving cylinder assembly includes a cylinder having a chamber for receiving and engaging a piston, and a housing immediately embracing the cylinder and defining a slot through which the piston is positioned to allow for oscillating movement of the piston within the slot. The cylinder engages in reciprocal oscillating movement with the piston. The immediate embracement of the cylinder by the housing minimizes leakage between the cylinder and the housing. The cylinder assembly is suitable for use in an engine, compressor, pump or vacuum pump.